Power Chef™

Electric Grill Fact Book

safe clean green

Dimplex® outdoor Living™

Canada

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Fact Book

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PowerChef™

General Information

Introducing PowerChef, a revolutionary grill with the performance of gas and the simplicity, safety and precision of electricity.

PowerChef sears and cooks food fast and easy with mouth-watering results. Use the manual mode or let PowerChef's automated program tell you exactly when it's time to flip and when to serve. PowerChef also eliminates the worries and hassles of gas grills – no hot spots, empty tanks, broken ignitors or flare-ups. PowerChef takes the guesswork out of grilling and lets you cook like a pro.

- Powerful and compact – ideal for almost any location including backyard decks and patios.
- Perfect for apartment and condo balconies where gas grills are impractical or are simply not allowed.
- All 216 square inches of grilling surface deliver powerful, even temperatures with no hot spots or flare-ups.
- Large enough to evenly cook 8 large hamburgers.
- Eliminates inconveniences such as running out of propane or broken ignitors.
- The green choice: the PowerChef reduces your carbon footprint by producing a fraction of the carbon dioxide per hour of a propane grill.
- Plugs into a standard 120V power outlet.
- Removable drip container for easy clean up.

Features available on Model BPC-2007 only:

- Restaurant-quality stainless steel construction for long-life and durability.
- Stainless Steel double-wall lid construction.
- Large heavy-duty powder-coated steel storage cabinet.
- Chrome plated upper warming rack perfect for vegetables, buns, etc.
- 6 convenient tool holders keep cooking area neat and tidy.
- Optional rotisserie kit.

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Features and Benefits

EvenSear™ Active Heat Cooking System (patent pending)

The active dual element grill system sears while it cooks by heating food directly. The upper searing element reaches 650°F to lock in flavor and juices by searing your food. The lower cooking element simultaneously provides precise even heat. The EvenSear cooking system applies energy through both grill layers and heats the entire grill area, for even cooking and maximum space utilization.

No Cold Spots

Because there are no variations in temperature, the PowerChef provides 100% use of its grill area. The full 216 square inch grill maintains a consistent even temperature, even in the corners.

Easy Automatic Grilling

With a few easy steps the electronic controls produce perfect cooking results every time without any guesswork. Program the type of food, thickness and the desired doneness of the food. The control chimes when it's time to flip and time to serve, and in case of no response, it automatically reduces heat to low. Select manual mode to cook the old-fashioned way or create a custom program to simplify a favourite meal (custom program is only available on model BPC-2007).

Safe Operation

The PowerChef is safe, with no open flame, combustion or volatile fuels. It can safely be used in areas that other grills cannot, including apartment and condo balconies.

Green

Using an electric grill instead of a propane grill can reduce your carbon footprint. A 40,000 BTU propane grill will produce up to 2.49 kg of carbon dioxide per hour. In comparison, the PowerChef electric grill using electricity generated from an average mix of sources will produce a maximum of 0.36 kg of carbon dioxide per hour. **

Rotisserie Cooking (Model BPC-2007 only)

Flip up the dual element to convert it to a rotisserie element. This feature eliminates flare-ups and excessive smoking, meaning evenly cooked, juicy roasts every time.

** The US Environmental Protection Agency states 62.2 kg CO_2 per hour for every million BTUs of propane. Environment Canada reports 220 g CO_2 for every kilowatt-hour of electricity in 2005. (Source: National Inventory Report 1990-2005 Greenhouse Gas Sources and Sinks in Canada)

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Features and Benefits (continued)

Just Plug It In

PowerChef plugs into your standard household electrical outlet and provides a safe, controlled source to heat your food. It's always convenient and refueling is never necessary.

No Unwanted Fuel Fumes

No gas or other fuel fumes will impart unwanted tastes or odor to your food.

Easy to Clean

With its stainless steel upper grill, the PowerChef is easy to keep clean.

Favourite Recipe Program (Model BPC-2007 only)

You can program one of your favourite cooking sequences into your PowerChef; your favourite food cooked to your own specification, automatically every time!

Automatic Power Saver

This feature activates immediately after a pre-programmed selection is finished cooking and "DONE" (Model BPC-2007) or "FINISHED" (Model CBQ-120-ELE) is shown on the display. The cooking system's power will shut off but the display will remain on for up to four hours at which point it will shut off automatically.

Safety Power-off

This feature activates if the unit has been accidentally left on after cooking. The power automatically shuts off to the entire unit four hours after the last button was touched on the control panel.

Sleep Mode

When in program mode, if the user fails to turn food when prompted, the power will automatically reduce to the minimum level to prevent the food from burning.

Voltage Compensation

The electric grill automatically adjusts the cook times based on any variance to input voltage. This ensures consistent cooking results.

Key Lock

This feature prevents accidental changes to your cooking program by locking the control panel when in use.

PowerChef™

Target Market

PowerChef sears and cooks food fast and easy with mouth-watering results. Its powerful and compact design makes it perfect for almost any location including backyard decks and patios. Who would benefit from a PowerChef electric grill?

- Anyone who loves the taste of food cooked outdoors on a grill is a candidate owner of a PowerChef electric grill.

- Anyone who has ever run out of propane in the middle of grilling will appreciate a grill that simply plugs into the endless power supply of a standard household electric outlet.

- Anyone who has wrenched their back struggling to get a heavy propane tank in place under their grill will appreciate a grill that uses standard household electrical current. Many seniors would be happy to be free of this hassle.
    - In Canada, 18.7% of the population or 5,925,115 people are aged 60 years and over.

- Anyone who is wary about explosive gases and the live flame of a conventional grill will appreciate the safe electric alternative. Women seem to particularly mistrust the volatile nature of outdoor grilling with gas.
    - Across Canada, 12.7% of households or 1,132,290 households are headed by women.
    - Across Canada, there are 7,179,750 single, separated, divorced and widowed females, representing 22.7% of the population.

- Anyone living in an apartment or condo that does not permit gas grills is a candidate to own a PowerChef electric grill.
    - Across Canada, 32.6% of families or 4,054,615 families live in apartments and 5.6% of families or 696,498 families live in town homes.

- Anyone who has ever forgotten to flip their grilled food on time or left it too long and ended up with a charred mess will appreciate the automated cooking program built in to the PowerChef. It tells the user when to flip and when cooking is done.

- Anyone who has ever served food done too rare for their guests will appreciate the sophisticated automatic control on the PowerChef that ensures perfect doneness every time.

- Anyone who owns a propane grill that's more than a year old and the burner no longer distributes gas consistently and should be replaced.

Source: Statistics Canada – Census 2006

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PowerChef Electric Grill Operating Cost

Grill with PowerChef for 1 hour, 3 times a week for **$2.15 per month**.

Usage
Calculation based on operating grill 3 times weekly for one hour each time, multiplied by 4.3 weeks per month results in 12.9 hours per month.

Cost calculation
Local Kilowatt Hour Rate x 1.6 (PowerChef's Kilowatts) x number of hours
10.44¢* x 1.6 = 16.7¢ per hour
16.7¢ per hour x 12.9 hours per month = $2.15 per month

Rates
Canadian Average price for electricity: 10.44 ¢ per kilowatt-hour *
* Source: Comparison of Electricity Prices in Major North American Cities 2008

Propane Grill Operating Cost

Cook with a propane grill for 1 hour, 3 times per week for **$26.18 per month.**

Usage
Calculation based on operating grill 3 times weekly for one hour each time, multiplied by 4.3 weeks per month results in 12.9 hours per month.

Cost calculation
(Total BTU's in tank) / (BTU's consumed per hour) = number of usage hours per tank
Number of usage hours / number of hours per tank = number of tanks required
Number of tanks needed x average price per tank = cost to operate per month

431,820 / 40,000 = 10.8 hours per tank
12.9 hours per month / 10.8 hours per tank = 1.19 tanks
1.19 tanks X $ 22.00 per tank = $ 26.18 per month

Assumptions
- Propane Grill using 40,000 BTU per hour
- Average 20lb tank has 431,820 BTU's**

Rates
Average price for 20lbs propane = $22.00

**Source: Environmental Protection Agency

Legislation

- Generally, the use of grills on balconies is municipally regulated across North America. Some municipalities prohibit the use of briquette and gas grills on balconies.

  Property managers and condominium corporations may also prohibit the use of grills on balconies. General safety requirements are to keep the grill three feet away from any combustibles and 10 feet from any combustible overhangs.

- In addition, relevant provincial fire code regulations may exist so it is important that local authorities are consulted prior to purchase.

PowerChef™

Frequently Asked Questions

OPERATION

What kind of electrical receptacle does the PowerChef electric grill use?

A standard 110/120-volt household receptacle.

Is a GFI/GFCI electrical outlet required to operate?

It is strongly recommended that a Ground Fault Interrupt outdoor outlet or a circuit protected by a ground fault breaker with a rating of 15amps, 110/120-volts is used. Electrical outlet wiring must comply with local building codes and other applicable regulations to reduce the risk of fire, electric shock and injury to persons.

Can I use an extension cord with my electric grill?

The use of extension cords is not recommended. Extension cords may overheat and cause a risk of fire. If you must use an extension cord, it must be rated for outdoor use and have a rating of no less than 1875 watts. Outdoor extension cords are marked with the prefix letter "W" and suffix letter "A" and have a tag stating "Suitable for Use with Outdoor Appliances".

Is a dedicated electrical outlet required to operate?

A dedicated circuit is preferred but not essential in all cases. A dedicated circuit will be required if, after installation, the circuit breaker trips or the fuse blows on a regular basis when the grilling element is operating. Additional appliances on the same circuit may exceed the current rating of the circuit breaker.

Where can I use my PowerChef electric grill?

A PowerChef electric grill can be used on patios, decks, and balconies. Select a suitable location away from puddles, pools, ponds and hot tubs. Ensure the electric grill is positioned more than 8 inches away from any combustible materials before cooking.

What is the cost to operate?

The cost to operate the PowerChef is 16.7 cents per hour. This would total $2.15 per month assuming it is used 3 times per week.

What is the BTU rating (output) of the PowerChef?

The high-efficiency Evensear element converts 5,562 BTU into a 650°F cooking surface that sears like a conventional grill using a fraction of the energy. Unlike gas or propane grills, the PowerChef makes efficient use of the supplied energy to cook food; it directly radiates heat into the food without wasting energy.

PowerChef™

Frequently Asked Questions (continued)

Does it take a long time to cook using the PowerChef?

No. The 650°F cooking surface temperature makes your cooking experience fast and easy.

Is the grill large enough to cook for my family?

Yes. The full 216 square inch grill maintains a consistent even temperature and allows you to utilize its entire surface, even the corners. For example, it easily can cook eight large hamburgers at one time.

Can I use my PowerChef grill in the rain?

No. Never use an electric grill in the rain, sleet or snow.

Can I use my electric grill during thunder/lighting storms?

No. It is best not to use the PowerChef during thunder or lightning storms to avoid the risk of electrical shock.

Can I get an electrical shock while using my PowerChef electric grill?

No, not if the unit is in proper working condition. However, as with all electric appliances to protect against electric shock, never immerse cord, plug or the electric heating element in water or any other liquid. Never operate any appliance with damaged electrical components. Regularly inspect supply cord and connections. If cord, element or control is damaged or worn, it must be replaced by an authorized service facility, as special tools are required. Do not attempt to repair the appliance yourself. As for any outdoor appliance, it is strongly recommended that a Ground Fault Interrupt outdoor outlet or a circuit protected by a ground fault breaker with a rating of 15amps, 110/120-volts is used.

Is power equally distributed between the two cooking grids?

70% of the power is used by the lower cooking element while 30% of the power is used by the upper searing element.

CLEANING

How do I clean the cooking grid?

While the grill is still warm use a stiff wire brush to clear the grill of all food particles. A scraper can be used to remove difficult particles. Never strike the cooking grid to remove residue. After the grill has cooled, follow up brushing and/or scraping by cleaning the cooking grid with a damp, soft cloth or sponge with a mild detergent or grill cleaner. Follow with a clean damp cloth to remove any remaining detergent residue. At next use, allow cooking grid an additional 5 minutes of pre-heating to burn off any residual detergents or cleaners.

Frequently Asked Questions (continued)

How do I clean under the grid?

Model # BPC-2007

To clean under the cooking grid of the PowerChef tilt the cooking grid by lifting from the front.

Model # CBQ-120-ELE

To clean under the cooking grid of the PowerChef Convertible, access the cooking grid from underneath by removing the drip tray. Do not attempt to remove the cooking grid.

Can the grilling surface be removed and cleaned in a dishwasher or self-cleaning oven?

No. Do not attempt to remove the cooking grid from the electric grill as it is permanently mounted to the body of the electric grill.

Can I clean my electric grill with a high-pressured hose?

No, do not clean the PowerChef electric grill with a high-pressure hose.

STORAGE

Can I leave my PowerChef outside year round?

Yes, the PowerChef is weather resistant. To protect against the elements, it is recommended that the PowerChef is covered after each use (once cooled). For seasonal storage, cover and store in a dry location.

OTHER

How long will the EvenSear grilling element last?

Depending on usage, the Evensear grilling element should last a minimum of 5 years.

Are replacement grill elements available?

Yes.

What is the warranty on the PowerChef electric grill?

The PowerChef has a one year limited manufacturer's warranty.

Specifications

Model: BPC-2007

- UPC 781052052024
- Dimensions: 45” W x 43” H x 21 1/4 “ D
- Weight: 80 lb / 36.3 kg
- Watts: 1630
- Volts: 120
- Amps: 13.6

Model: CBQ-120-ELE

- UPC 781052056169
- Dimensions: 21 13/16” W x 11 9/16” H x 20 3/16“ D
- Weight: 35 lb / 16 kg
- Watts: 1630
- Volts: 120
- Amps: 13.6

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